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Patent
Attorney Docket No. 1034279-000011

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

David Philip Williams et al.

Application No.: 10/561,594

Filing Date: December 20, 2005

Title: BIREFRINGENT PHOTONIC BANDGAP OPTICAL WAVEGUIDE

Group Art Unit:

Examiner:

Confirmation No.:

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
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The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

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(8/05)

MAR 30 2006

FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number 10/561,594
 Filing Date December 20, 2005
 First Named Inventor David Philip Williams et al.
 Examiner Name
 Attorney Docket Number 1034279-000011

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,097,870		Ranka et al.	08-01-2000
	2001/0026667	A1	Kawanishi et al.	10-04-2001

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Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS					
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Cited in Spec
	*00/49435		WO	08-24-2000				X		
	*99/00685		WO	01-07-1999						X
	*00/60390		WO	10-12-2000						X
	*03/029854	A1	WO	04-10-2003						X
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	*2004/083918	A1	WO	09-30-2004						X
	*00/60388		WO	10-12-2000						X

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	*SAITOH K. et al., "Highly birefringent photonic bandgap fibers and its dispersion properties", Int. Topic Meeting on Microwave Photonics, November 5, 2002, pages 329-332.
	*ORTIGOSA-BLANCH A. et al., "Highly Birefringent Photonic Crystal Fibers", Optics and Photonics, OSA, US, Vol. 12, No. 12, December 2001, page 17.
	*KUMAR VVRK et al., Optical Society of America/Institute of Electrical and Electronics Engineers: "Modified group-velocity dispersion in extruded photonic crystal fiber", vol Tops, Vol. 86, March 23, 2003, pages 300-301.
	*KNIGHT J C et al., "Photonic Band Gap Guidance in Optical Fibers", American Association for the Advancement of Science, US, Vol. 282, No. 5393, November 20, 1998, pages 1476-1478.
	*BIRKS et al., "Full 2-D photonic bandgaps in silica/air structures", Electronics Letters, October 26, 1995, Vol. 31, No. 22, pages 1941-1942.
	*J.D. JOANNOPOULOS et al., "Chapter 2 of the book "Photonic Crystals – Molding the Flow of Light", Princeton University Press, © 1995
	*LITCHINITSER et al., Opt Lett, Vol. 27 (2002), pages 1592-1594.
	*KOSHIBA et al., "Polarisation-Dependent Confinement Losses in Actual Holey Fibres", IEEE Photonics Technology Letters, Vol. 15, No. 5, May 2003, pages 691-693.
	*MULLER et al., "Measurement of photonic band-gap fiber transmission from 1.0 to 3.0 µm and impact of surface mode coupling", CLEO 2003.
	*International Search Report dated August 3, 2004.

***Copy Attached**

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.